Mrs. V.Baby shalini

M.E.(Ph.D)

Asst. Prof.

MISTE ,MSSI

Electrical & Electronics Engineering

Areas of Interest:
control systems,power systems,renewable energy systems,artificial neural networks

updated

- ▸ **Educational & Professional**

- ▸**Academic Qualifications**
  - ▸ M.E in power systems, Osmania university with first class (2007-2010)
- ▸
  BTECH in EEE, JNTU with first class (2003-2007)
- ▸
  INTERMEDIATE in MPC, SAHITHI JUNIOR COLLEGE with FIRST CLASS WITH DISTINCTION (2001-2003)
    ▸ **Professional Experience**

- ▸ **At JNTUH**
- ▸ Assistant professor, JNTU jagityal (2011 - Till Date)

- ▸ **Publications**
- **International Journals**
- ▸ V Babyshalini, K.NAGASUJATHA, *Energy Optimization of Buildings through Sustainable materials*, international journal of engineering and advanced technology, ISBN No.ISSN:2249-8958, Vol No.9, Issue No.3, pp.4151-4153, BLUE EYES INTELLIGENCE ENGINEERING &SCIENCES, FEBRUARY, 2020
- ▸ V Babyshalini, RAJESH MERUGU, *Simulation of NZE Green Building Design through optimization of HVAC Systems*, International Journal of Recent Technology and Engineering, ISBN No.ISSN:2277-3878, Vol No.8, Issue No.6, pp.4030-4033, BLUE EYES INTELLIGENCE ENGINEERING &SCIENCES, march , 2020
- ▸ V Babyshalini, kandula praveen, *Performance of Retscreen 4 Software on PV Solar System*, international journal of engineering and advanced technology, ISBN No.ISSN:2249-8958, Vol No.9, Issue No.3, pp.3313-3317, BLUE EYES INTELLIGENCE ENGINEERING &SCIENCES, FEBRUARY, 2020
- ▸ V Babyshalini, S.Abhishek, *A Comprehensive Review on MPPT Techniques for PV System*, Journal of Engineering Sciences, ISBN No.ISSN:0377-9254, Vol No.11, Issue No.2, pp.186-189, FEBRUARY, 2020
- ▸ V B.Shalini, K.SAI TEJA, *An ANN CONTROLLER Based Static Synchronous compensator*, Journal of Engineering Sciences, ISBN No.ISSN:0377-9254, Vol No.11, Issue No.4, pp.296-300, JES publication, April, 2020
- ▸ V Babyshalini, gattu vinay goud, chandragiri radha charan, *Grid Connected Rooftop Solar PV system:A pref-feasibility Estimation Using PVSOL premium and System Advisor model(Sam)*, international journal of scientific &technology Research, ISBN No.ISSN:2277-8616, Vol No.8, Issue No.9, pp.1711-1716, september, 2019
- ▸ K.NAGASUJATHA, R.DURGARAO, V.B.SHALINI, *PERFORMANCE ANALYSIS OF DIGITAL OVER CURRENT RELAYS UNDER DIFFERENT FAULT CONDITIONS IN RADIAL AND PARALLEL FEEDERS*, INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, ISBN No.ISSN:2454-5880, Vol No.3, Issue No.1, pp.146-158, MARCH, 2017
- ▸ B.YADAGIRI, V.BABYSHALINI, *Enhancement of Transient Performance of a single machine infinite bus system using thyristor controlled breaking resistor*, international journal of advanced engineering and global technology, ISBN No.ISSN:2309-4893, Vol No.2, Issue No.2, FEBRUARY, 2014
- ▸ V.BABY SHALINI, *VOLTAGE SAG DETECTION USING 8051 MICROCONTROLLER*, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND TECHNOLOGY, ISBN No.ISSN:2278-0181, Vol No.3, Issue No.2, FEBRUARY, 2014
- ▸ M.SANTHOSH, V.BABYSHALINI, M.NAINI RAJU, *OPTIMAL POWER FLOW MODEL OF RADIAL DISTRIBUTION FEEDERS*, INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGY AND ADVANCED ENGINEERING, Vol No.4, Issue No.10, OCTOBER, 2014
-

International Conference
- ▸ K.NAGASUJATHA, V.B.SHALINI, *PERFORMANCE ANALYSIS OF DIGITAL OVER CURRENT RELAYS UNDER DIFFERENT FAULT CONDITIONS IN RADIAL AND PARALLEL FEEDERS*, INTERNATIONAL CONFERENCE ON RESEARCH IN SCIENCE AND TECHNOLOGY, ISBN No.ISSN:2454-5880, pp.7, NOVEMBER, 2016
- ▸ V.BABYSHALINI, K.NAGASUJATHA, *ECONOMIC EVALUATION OF GRID CONNECTED HYBRID RENEWABLE ENERGY SYSTEM*, INTERNATIONAL CONFERENCE ON RESEARCH IN SCIENCE AND TECHNOLOGY, ISBN No.ISSN:2454-5880, NOVEMBER, 2016
- ▸ K.NAGASUJATHA, V.B.SHALINI, *TECHNICAL PERFORMANCE EVALUATION AND ECONOMIC VIABLE SOLUTIONS USING HYBRID RENEWABLE ENERGY SYSTEMS*, IEEE POWER,COMMUNICATION AND INFORMATION TECHNOLOGY CONFERENCE, ISBN No.ISBN:987-1-4799-7455-9, 2015
- ▸ C.RADHA CHARAN, V.B.SHALINI, P.SWETHA, *GRAPHICAL APPROACH OF GENERALIZED NEURON MODEL FOR ELECTRICAL LOAD FORECASTING DURING ERROR GRADIENT FUNCTIONS*, RECENT DEVELOPMENT IN COMPUTATIONAL AND INFORMATION TECHNOLOGY , MARCH, 2014
- ▸ K.NAGASUJATHA, V.B.SHALINI, *DESIGN OF OPTIMAL AND ECONOMICAL HYBRID RENEWABLE ENERGY SYSTEMS*, INTERNATIONAL CONFERENCE ON ENVIRONMENT AND ENERGY, ISBN No.ISBN:978-93-81212-96-7, DECEMBER, 2014
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National Conference
- ▸ K.NAGASUJATHA, V.B.SHALINI, P.SANGEETHA, *DESIGN OF LOW VOLTAGE BOOST CONVERTER USING CONTINUOUS CONDUCTION MODE FOR LOW POWER APPLICATIONS*, NATIONAL CONFERENCE ON POWER SYSTEMS, MAY, 2014
- ▸ R.SRINATH, P.SANGEETHA, V.BABYSHALINI, *REDUCTION OF LOSSES AND IMPROVING VOLTAGE BY OPTIMAL LOCATION OF DG*, NATIONAL CONFERENCE ON ADVANCES AND APPLICATIONS IN POWER SYSTEMS,POWER ELECTRONICS AND SOLAR ENERGY, OCTOBER, 2013
- ▸ A.VASUDHA, V.BABYSHALINI, P.SANGEETHA, *A NOVEL CONTROL ALGORITHM FOR THE DG INTERFACE TO MITIGATE POWER QUALITY PROBLEMS*, NATIONAL CONFERENCE ON ADVANCES AND APPLICATIONS IN POWER SYSTEMS,POWER ELECTRONICS AND SOLAR ENERGY, OCTOBER, 2013

- **Events Participated/Organized**

- **Co-ordinated**
- Coordinated for a Symposium on *EGNIS-2K19*, EEE DEPT,JNTUHCEJ, 26-03-2019 to 27-03-2019
- Coordinated for a Symposium on *EGNIS-15*, EEE DEPT,JNTUHCEJ, 03-03-2015 to 04-03-2015
- **Presented**
- Presented a paper in *economic evaluation of grid connected hybrid renewable energy systems*, Nanyang technological university ,Singapore, 10-11-2016 to 11-11-2016
- Presented a paper in *design of optimal and economical hybrid renewable energy systems*, International conference on "environment and energy", 15-12-2014 to 17-12-2014
- **Participated**
- Participated in a FDP on *one week online short term course on Recent Advances in Renewable Power*, UGC-HRDC, JNTUH, Hyderabad, 13-09-2021 to 18-09-2021
- Participated in a Seminar on *Webinar on "NAAC Assessment and Accreditation Process"*, UGC-HRDC, JNTUH, Hyderabad, 03-07-2021 to
- Participated in a Training on *two weeks industrial training on Electrical System Design and Analysis Using E-TAP*, NSIC Online, 10-05-2021 to 24-05-2021
- Participated in a Refresher Course on *Soft Computing Techniques - Electrical Engineering*, UGC-HRDC, JNTUH, Hyderaba, 05-10-2020 to 20-10-2020
- Participated in a FDP on *Fuzzy mathematics and its application*, Government college daman, 11-07-2020 to 13-07-2020
- Participated in a FDP on *Data Science*, Online, 01-07-2020 to 24-07-2020
- Participated in a FDP on *Control Theory And Applications*, Vignan Institute Of Technology & Science, 29-06-2020 to 03-07-2021
- Participated in a Seminar on *webinar series on â€œUnderstanding Power System Simulation Concepts Through Case Studiesâ€•*, IEEE PES-IAS Chapter Delhi Section and PES India Chapters Council, 22-06-2020 to 26-06-2020
- Participated in a FDP on *MOODLE LEARNING MANAGEMENT SYSTEM(ONLINE)*, JNTUH COLLEGE OF ENGINEERING,SULTANPUR, 10-06-2020 to 15-06-2020
- Participated in a FDP on *RECENT TRENDS IN ELECTRICAL ENGINEERING(ONLINE)*, EEE DEPT,VISHNU INSTITUTE OF OF TECHNOLOGY,BHIMAVARAM, 08-06-2020 to 12-06-2020
- Participated in a FDP on *MICRO GRID ,ELECTRIC VEHICLES AND ALLIED AREAS(MGEVAA-20)(ONLINE)*, KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE,WARANGAL, 01-06-2020 to 05-06-2020
- Participated in a FDP on *SCILAB-An Open Source Substitute for MATLAB(online)*, JNTUH COLLEGE OF ENGINEERING,SULTANPUR, 25-05-2020 to 30-05-2020
- Participated in a FDP on *Artificial intelligence(ONLINE)*, Department of CSE,in collaboration with brain o vision ,GNIT,hyd, 22-05-2020 to 26-05-2020
- Participated in a Training on *MATLAB BASED TEACHING-LEARNING IN MATHEMATICS,SCIENCE &ENGINEERING(ONLINE)*, Department of Electronics Engineering,Ramrao Adik Institute of technology ,Nerul,Navi mumbai(online), 18-05-2020 to 22-05-2020
- Participated in a Seminar on *MICROGRID TECHNOLOGY(ONLINE WEBINAR)*, CHENNAI INSTITUTE OF TECHNOLOGY, 16-05-2020 to
- Participated in a Refresher Course on *Soft Computing Techniques - Electrical Engineering*, UGC-HRDC, JNTUH, Hyderabad, 10-05-2020 to 01-01-1970
- Participated in a Refresher Course on *Energy Conservation and Management â€" Issues and Methodologies*, UGC-HRDC,JNTUH,Hyderabad, 18-11-2019 to 30-11-2019
- Participated in a FDP on *research methodology*, DRD,JNTU HYDERABAD, 16-04-2018 to 21-04-2018
- Participated in a Workshop on *POWER SYSTEMS STUDIES-THEORY AND PRACTICE AT A GLANCE*, EEE DEPT,JNTUHCEJ, 02-11-2016 to 04-11-2016
- Participated in a Workshop on *BIG DATA ANALYSIS*, CSE DEPT,JNTUHCE JAGITYAL, 14-12-2015 to 20-12-2015
- Participated in a Orientation Course on *43rd orientation course*, JNTU HYDERABAD, 31-08-2015 to 29-09-2015
- Participated in a Refresher Course on *emerging trends in renewable energy sources and Energy management*, JNTU HYDERABAD, 09-06-2014 to 28-06-2014

- **Teaching**
- Industry Oriented Mini Project/Seminar in EEE I (2021-22)
- Measurements and Instrumentation Lab in EEE I (2021-22)
- Measurements and Instrumentation in EEE I (2020-21)
- Major Project in EEE II (2020-21)
- Digital Electronics Lab in EEE II (2020-21)
- Digital Electronics in EEE II (2020-21)
- Industry Oriented Mini Project/Seminar in EEE I (2020-21)
- Measurements and Instrumentation Lab in EEE I (2020-21)
- Measurements and Instrumentation in EEE I (2021-22)
- Control systems lab in EEE II (2019-20)
- Electrical measurements & instrumentation lab in EEE I (2018-19)
- Power systems dynamics in MTECH -EPS II (2019-20)
- Control systems in EEE II (2019-20)
- Flexible A.C.Transmission systems in EEE I (2019-20)
- Electrical measurements and instrumention in EEE I (2019-20)
- Control systems LAB in EEE II (2018-19)
- Power system dynamics and control in MTECH -EPS II (2018-19)
- CONTROL SYSTEMS in EEE II (2018-19)
- Control systems lab in EEE II (2017-18)
- Network theory LAB in EEE I (2017-18)
- Power system operation and deregulation in MTECH -EPS II (2017-18)
- Modern control theory in MTECH -EPS I (2017-18)
- Control systems lab in EEE II (2016-17)
- Electrical measurements lab in EEE I (2016-17)
- Power systems Dynamics in MTECH -EPS II (2016-17)
- Modern control theory in MTECH -EPS I (2016-17)
- Control systems in EEE I (2016-17)
- Advanced Control systems in EEE II (2016-17)
- Electrical distribution systems in EEE I (2017-18)
- Switching theory and logic design in EEE II (2017-18)
- Control systems in EEE II (2018)

- **Adminstrative Positions Held**
- Dy.warden, Jntuhcej, 12 Apr 2017 - Present
- OAS, Jntuhcej, 01 Dec 2015 - 12 Apr 2017

- ▸ **Project/Research Guidance**

- **Students**

Student Name	Title	Year	Download
Kandula Praveen	Supervisory Voltage Control Of Battery Energy Storage System Using Droop Voltage Regulation Technique	2021	
Gugulothu Upendar	Power quality analysis of integrated renewable energy sources feeding 3 Ã˜ load	2020	
Gattu Vinay Goud	Grid connected roof top solar PV system:A prefeasibility at jntuh college of engineering jagityal Using PVSOL premium and system advisory model (SAM)	2018	
Shaik quarshid pasha	Comparative analysis of multiple carrier disposition PWM strategies in unipolar mode	2018	
Apurva Manoj wankar	Investigation of DVR connected to a wind turbine driven doubly fed induction generator under voltage dips	2017	
T.Charan Kumar	An Ann logic controller based static synchronous compensator	2017	
S.Mamatha	End user voltage regulation to improve urban low voltage distribution congestion	2016	
D.Ramyakrishna	Flexible power electronic transformer	2015	
A.Srilekha	Compensation of AC and DC loads of a three phase D-Statcom by using a fast acting dc link voltage controller	2015	
A.Srilekha	Compensation of AC and DC loads of a three phase D-Statcom by using a fast acting dc link voltage controller	2015	
L.Ashok reddy	Grid interfacing inverter of renewable energy sources at distribution level with power quality improvement	2015	
M.Santhosh	Optimal power flow model of radial distribution feeders	2014	
Rajalingaphalgun	Differential evaluation based optimal power distribution	2014	
M.Anjaneyulu	A novel control strategy using solar based grid interfacing inverter in distribution systems	2013	
A.vasudha	A novel control algorithm for the DG interface to mitigate power quality problems	2013	
Student Name	**Title**	**Year**	**Download**
T. Sushmitha, R.keshavi,T.pavan vineethreddy, B. Saicharishma, Ch.harshith	Power quality improvement using AC-DC converter by harmonic current injection technique	2019	
Shanthipriya, D. Priyanka, M. Venkatesh, N. Kaylan, M. Anil	Power quality improvement using shunt active power filter with hysteresis controller	2019	
T. Harika,B.sahithi,M.Sandeep,sameer,B.shashank	Smart irrigation system using IOT	2018	
P. Shirisha, G. Ramyasree, K. Saichandana, J. Akhilkumar,B.Manikrishna	Smart home with sun tracking solar panel	2018	
Ch.shivani,S.nirosha,P.lohit Kumar, P. Gopal, V. Alekya	Cost analysis of integrated hybrid renewable energy system	2017	
T. Pooja,B.likhita Steffi, G. Tejaswini, S. Nagadeep, MD. Irfanuddin	Study of PV solar system using Retscreen 4 software	2017	
Ch. Mahesh, G. Vasantha,P.saranya,N.Madhu,B.Ashok	GSM based electronic notice board	2016	
G. Alokgoud, MD. Shahrukh, K. Navya,P.Praveen Kumar, Ch.Anoop	Economic cost analysis of hybrid renewable energy using homer	2015	
K. Neeraj,k.kusumala,R.Anusha,S.Bhanuprakash	Economic cost analysis of grid connected hybrid renewable energy system	2015	
A. Prashanth, sridharkumar, prabhalika, p. Chaitanya, R. Shravan Kumar	Load frequency control in two area power system	2014	
Ch.Anish,k.sahithi,k.pavani	Power flow control in transmission lines using facts device	2013	
K.sathish Kumar, G. Raghunath, R. Srivani rao,M.sriasha teddy, A. Ashlesha	Sensorless speed control of induction motor drive	2012	

Contact :

Mrs. V.Baby shalini
Electrical & Electronics Engineering

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Alternate Email: babyshalini815@gmail.com